

BARROWFORD  
URBAN DISTRICT COUNCIL



Councillor Mrs. B. C. Stanworth.  
Councillor Mrs. E. B. Ralstead.  
Councillor P. Filling.  
Councillor S. Hamilton (Chairman of  
Public Health Committee)

Councillor F. Allcock.  
Councillor J. Hall.  
Councillor J. Hallett.  
Councillor S. V. Rogers.

ANNUAL REPORT  
OF THE  
MEDICAL OFFICER OF HEALTH  
FOR THE YEAR

1970

ACKD. BY

P. G. Holt, R.D., Ch.B., D.P.M.

A. Morris, R.D.S.M.

Assistant

J. Riley  
T. Blackburn

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BARROWFORD URBAN DISTRICT COUNCIL

Members of the Council

Councillor G. Dawes (Chairman)

Councillor Mrs. D. C. Stanworth.  
Councillor Mrs. E. E. Halstead.  
Councillor B. Pilling.  
Councillor R. Rawlinson (Chairman of  
Public Health Committee.)

Councillor T. Ellison.  
Councillor F. Holt.  
Councillor A. Mellor.  
Councillor C. W. Roberts.

Clerk to the Council

D. L. Short

Health Department Staff

Medical Officer of Health

P. G. Holt, M.B., Ch.B., D.P.H.

Surveyor & Public Health Inspector

A. Morris, M.R.S.H.

Assistants

J. Riley  
T. Blackburn



BARRO AND URBAN DISTRICT COUNCIL

Members of the Council

Councillor J. Jones (Chairman)

Councillor T. Elliott  
Councillor J. Hall  
Councillor J. Baker  
Councillor C. W. Roberts

Councillor Mrs. B. G. Thompson  
Councillor Mrs. E. E. Roberts  
Councillor G. Williams  
Councillor R. Harrison (Chairman of  
Public Health Committee)

Officers of the Council

T. L. Short

Health Department Staff

Medical Officer of Health

J. G. Hall, M.A., D.P.H., D.P.S.

Sanitary & Public Health Inspector

A. Roberts, M.B., B.S.

Assistants

J. Hall  
T. Roberts

Local Legislation (including byelaws) in

Force in the District

Operative Date

Infectious Diseases  
(Notification) Act, 1889.

30th August, 1889.

Infectious Diseases  
(Prevention of) Act, 1890.

4th August, 1890.

Public Health Acts  
(Amendment Act) 1890.

8th June, 1893.

Public Health  
(Amendment Act) 1907  
(Parts 2, part 3 (except  
ss. 39, 40, 41, 42, 50  
and 51) part 4 (except ss.  
58 and 67) and part 6.

28th August, 1907

Byelaws

Offensive Trades  
Common Lodging Houses  
New Streets

1894  
1894  
1925

18th July, 1894.  
18th July, 1894.  
7th February, 1925.



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Public Health Department,  
Holmefield House,  
Gisburn Road,  
Barrowford.

August, 1970.

To the Chairman and Members of  
the Barrowford Urban District Council.

Mr. Chairman, Ladies and Gentlemen,

I have the honour to present my Annual Report on the Health and Sanitary Conditions of Barrowford, in respect of the year ending 31st December, 1970. The general lay-out and contents are in accordance with the requirements of the Ministry of Health.

The estimated population of the District remained the same in 1970 as for the previous year. Before the next report is prepared, the results of the recent census should be available, and it will be interesting to see whether the population figures, as estimated by the Registrar General, have been accurate. The number of deaths was higher than usual in 1970, but I do not know of any factors to account for this. Births were also well above average.

The incidence of infectious disease was lower than in previous years, and nearly all notifications were for measles. As an effective vaccine is now available to protect children against this disease, it is likely that the future incidence of infectious disease will be even lower. No cases of tuberculosis or other serious diseases were reported in the district during the year.

I would like to take this opportunity to express my appreciation of the work put in by Mr. Morris in compiling the bulk of this report, and indeed for all his good work during the year, and my thanks to the Health Committee for their interest and support in the work of the Department.

I am, Ladies and Gentlemen,

Your Obedient Servant,

P. G. HOLT.

Medical Officer of Health.



### ACKNOWLEDGEMENTS

Certain information contained in this report has been supplied by the following, to whom acknowledgement is made, and to whom I would take this opportunity of expressing my sincere thanks for their kindness and co-operation.

Dr. C. H. T. Wade,

County Medical Officer of Health.

The Registrar General,

General Register Office,  
Somerset House,  
London W.C.2.

Mr. C. D. Barnes,

Engineer, North Calder Water Board.





SECTION A

Statistics and Social Conditions of the Area





General Statistics of the Area

Area in acres			1,387
Population - Census 1961			4,644
	Males	2,169	
	Females	2,475	
- Census 1951			
	Males	2,188	
	Females	2,578	4,766
Intercensal Variation -			
	Decrease		122
	Males	19	
	Females	103	
- Registrar General's estimate of home population			
	Mid year, 1970		4,700
Dwellinghouses - Census 1961 - Number inhabited			1,846
- Census 1951 - Number inhabited			1,790
End of 1970 according to Rate Book -			
	Number inhabited		2,074
Rateable Value			£136,993
Sum represented by a penny rate			£548

Social Conditions including Chief Industries in the Area

Textiles, engine components and light engineering are the chief industries.

In general full employment with its inherent advantages pertained throughout the period.



# Vital Statistics

<u>Live Births</u>	<u>Males</u>	<u>Females</u>	<u>Total</u>
Legitimate	35	34	69
Illegitimate	4	3	7
Totals	<u>39</u>	<u>37</u>	<u>76</u>

Crude Birth Rate per 1000 estimated population 16.2  
Adjusted Birth Rate (Comparability factor 1.25) 20.3

## Still Births

Legitimate Nil  
Illegitimate Nil

Rate per 1000 total births (Live and Still) Nil  
Rate per 1000 estimated population Nil

## Total Live and Still Births

Total Birth Rate per 1000 estimated population 16.2

<u>Deaths</u>	<u>Males</u>	<u>Females</u>	<u>Total</u>
Number registered (All causes)	51	49	100

Crude Death Rate per 1000 estimated population 21.3  
Adjusted Death Rate (Comparability Factor 0.78) 16.6

## Maternal Deaths

Maternal Deaths (including abortion) Nil  
Maternal Mortality Rate per 1000 (Live and still births) Nil

## Infant Deaths

Under 1 year of age - Legitimate Nil  
Illegitimate Nil

Under 4 weeks of age - Legitimate Nil  
Illegitimate Nil

Under 1 week of age - Legitimate Nil  
Illegitimate Nil

Infant Martaility Rate (Deaths under 4 weeks) per  
1000 Live Births Nil





### Infant Deaths (Continued)

Early Neo-Natal Mortality Rate (Deaths under 1 week) per 1000 live births. Nil

Peri-natal Mortailty Rate (Still births and deaths under 1 week combined) per 1000 total (Live and Still) births. Nil

### Comments on Vital Statistics

#### Population:

The Registrar General's estimate shows no decline over last year. In fact at present the figure is at its highest for the last ten years.

#### Live Births:

The small number of live births registered in 1966 (fifty) was followed in 1967 by an increase of 19 and in 1968 by a further increase to 86. This was the largest number of births ever recorded in recent years but in 1969 the figures were about average. In 1970 the birth rate was above average once again.

Included in the 1970 live births were 7 illegitimate births which amounted to 9.2% of the total births. This was 2 births more than in the previous year.

The increased number of live births gave a Crude Live Birth Rate of 16.2 per 1000 population, an increase of 3.2 per 1000 on the 1969 figure.

With the Comparability Factor the same as in the previous year at 1.25, the Adjusted Live Birth Rate in 1970 was 20.3 per 1000 population, an increase of 4.0 per 1000 on the 1969 figure. For comparison the Adjusted Birth Rates for Nelson Municipal Borough, and England and Wales as a whole were 20.1 and 16.0 per 1000 population respectively.

#### Still Births

For the sixth successive year there were no still births registered. The National Still Birth Rate was 13.0 per 1000 total (live and still) births.





## Deaths

100 deaths (51 males and 49 females) were registered in 1970. This was an increase of 24 on the 1969 total. The Crude Death Rate was 21.3 per 1000 population, an increase of 5.1 per 1000 on the previous year.

A Comparability Factor of 0.78 gave an Adjusted Death Rate of 16.6 per 1000 in 1970. This was 3.5 per 1000 more than the 1969 rate. The mean Adjusted Rates for each of the previous periods 1962-66 and 1957-61 were 14.3 and 15.6 per 1000 respectively. For comparison the National Death Rate is 11.9 per 1000 population.

## Infant Mortality

No infant deaths were registered during 1970.

## Maternal Mortality

No Maternal Death occurred during the year.

The following tables give further details of the Vital Statistics as follows:-

1. Births and Birth Rates 1940 - 1970 inclusive.
2. Deaths and Death Rates 1940 - 1970 inclusive.
3. Birth Rates, Death Rates and Analysis of Mortality 1970.
4. Causes of Death during 1970 with equivalent Death Rates.
5. Summary of Ages at Death 1970.
6. Annual Percentage Summary of Ages of Death 1960 - 1970 inclusive.
7. Monthly Analysis of Deaths 1970 showing Mortality Rates.



# VITAL STATISTICS

## BIRTHS & BIRTH RATES 1940 - 1970 INCLUSIVE

Year	Estim. Pop'n.	No. of Live Births	Birth Rates		Still Births
			Total Crude	Adjusted Per 1000 pop'n	Still Per 1000 Total Births
1970	4700	76	16.2	20.3	Nil
1969	4700	61	13.0	16.3	Nil
1968	4690	86	18.4	23.0	Nil
1967	4680	69	14.7	18.3	Nil
1966	4670	50	10.7	13.4	Nil
1965	4660	58	12.4	15.6	Nil
1964	4660	65	13.9	17.4	29.9
1963	4620	63	13.6	17.0	30.8
1962	4590	54	11.8	13.2	Nil
1961	4620	49	10.6	11.9	57.7
1960	4680	69	14.7	16.5	14.3
1959	4710	65	13.8	15.5	71.4
1958	4720	62	13.1	14.7	46.2
1957	4740	77	16.2	18.2	37.5
1956	4740	68	14.3	16.2	Nil
1955	4750	64	13.5	15.2	72.4
1954	4760	66	13.9	15.7	43.5
1953	4747	53	11.2	12.4	18.5
1952	4755	57	12.0	13.3	17.2
1951	4751	70	15.0	16.6	41.1
1950	4590	47	10.2	11.5	20.8
1949	4570	68	14.9	-	42.2
1948	4500	68	15.1	-	14.5
1947	4680	64	13.6	-	Nil
1946	4614	55	11.9	-	51.7
1945	4387	51	11.6	-	Nil
1944	4364	58	13.2	-	16.9
1943	4384	49	11.1	-	75.5
1942	4520	67	14.8	-	28.9
1941	4756	51	10.7	-	36.4
1940	4660	39	8.1	-	71.4





# VITAL STATISTICS

## DEATHS & DEATH RATES 1940 - 1970 INCLUSIVE

Year	Estim. Pop'n.	No. of Deaths	Death Rates		No. of Infant Deaths
			Total Crude Adjusted Per 1000 pop'n.	Infant Per 1000 Live Births	
1970	4700	100	21.3	16.6	Nil
1969	4700	76	16.2	13.1	Nil
1968	4690	85	18.2	15.3	2
1967	4680	67	14.3	11.4	1
1966	4670	100	21.4	17.1	-
1965	4660	77	16.5	13.4	-
1964	4660	78	16.7	13.9	1
1963	4620	63	13.6	11.3	2
1962	4590	81	17.6	15.7	1
1961	4620	91	19.7	17.9	4
1960	4680	71	15.2	13.8	1
1959	4710	82	17.4	15.8	1
1958	4720	77	16.3	14.7	2
1957	4740	82	17.3	15.7	5
1956	4740	87	18.4	16.3	-
1955	4750	80	16.8	14.1	1
1954	4760	91	19.1	16.1	3
1953	4747	75	15.8	12.8	2
1952	4755	82	17.2	14.0	2
1951	4679	90	19.2	15.6	1
1950	4590	86	18.7	15.4	3
1949	4570	81	17.7	14.5	4
1948	4500	71	15.7	-	1
1947	4680	84	17.9	-	-
1946	4614	74	16.0	-	3
1945	4387	71	16.1	-	3
1944	4364	69	15.8	-	2
1943	4384	61	13.9	-	3
1942	4520	61	13.4	-	-
1941	4756	84	17.7	-	3
1940	4660	81	17.3	-	4



# VITAL STATISTICS

## COMPARATIVE TABLE SHOWING BIRTH RATES, DEATH RATES

### AND ANALYSIS OF MORTALITY FOR THE YEAR 1970

	England & Wales	Barrowford
	Rates per 1,000 population	
Births		
Live Births	16.00	* 16.2
Still Births	0.21	Nil
	13.00(a)	Nil(a)
Deaths		
All Causes	11.7	* 21.3
Tuberculosis (all forms)	0.033	Nil
Respiratory	0.019	Nil
Non-respiratory	0.014	Nil
Cancer (all forms)	2.39	4.25
Lung and Bronchus	0.62	0.85
Other Cancer	1.77	3.40
Maternal Mortality (total)	0.18(a)	Nil(a)
Maternal Causes (excl. Abortion)	0.14(a)	Nil(a)
Due to Abortion	0.04(a)	Nil(a)
	Rates per 1,000 Live Births	
Infant Mortality	18.0	Nil
Neo-Natal Mortality	12.0	Nil

(a) Per 1,000 total (live and still) births

\* Adjusted: live Birth Rate 20.3 per 1,000 (Comparability Factor 1.25)  
Death Rate 16.6 per 1,000 (Comparability Factor 0.78)



## VITAL STATISTICS

# CAUSES OF DEATH AT DIFFERENT PERIODS OF LIFE DURING 1970

[illegible]





VITAL STATISTICS (Continued)

CAUSES OF DEATH AT DIFFERENT PERIODS OF LIFE DURING 1970

Cause of Death	Sex	All Ages	Under 4 weeks	4 weeks & under 1 year	1-5-	5-15-	15-25-	25-35-	35-45-	45-55-	55-65-	65-75 and over
Pneumonia	M	5	-	-	-	-	-	-	-	-	-	5
	F	8	-	-	-	-	-	-	-	-	2	6
Bronchitis and Emphysema	M	3	-	-	-	-	-	-	-	1	-	2
	F	1	-	-	-	-	-	-	-	-	-	1
Other Diseases of Respiratory System	M	1	-	-	-	-	-	-	-	-	1	-
	F	2	-	-	-	-	-	-	2	-	-	-
Intestinal Obstruction and Hernia	M	-	-	-	-	-	-	-	-	-	-	-
	F	2	-	-	-	-	-	-	-	-	-	1
Symptoms and Ill Defined Conditions	M	1	-	-	-	-	-	-	-	-	-	-
	F	-	-	-	-	-	-	-	-	-	-	-
Motor Vehicle Accidents	M	2	-	-	-	-	1	-	1	-	-	-
	F	-	-	-	-	-	-	-	-	-	-	-
All other Accidents	M	-	-	-	-	-	-	-	-	-	-	-
	F	1	-	-	-	-	-	-	-	-	1	-
<u>TOTAL ALL CAUSES</u>	M	51	-	-	-	-	1	1	3	8	14	24
	F	49	-	-	-	-	-	2	2	1	11	32



# VITAL STATISTICS

## SUMMARY OF AGES AT DEATH DURING 1970

AGE GROUPS Over Under	M	F	TOTAL	% of each group to Total Deaths
0 4 wks.	-	-	-	-
4 wks. 1 yr.	-	-	-	-
1 yr. 5 yrs.	-	-	-	-
5 yrs. 15 yrs.	-	-	-	-
15 yrs. 25 yrs.	1	-	1	1.00
25 yrs. 35 yrs.	-	1	1	1.00
35 yrs. 45 yrs.	1	2	3	3.00
45 yrs. 55 yrs.	3	2	5	5.00
55 yrs. 65 yrs.	8	1	9	9.00
65 yrs. 75 yrs.	14	11	25	25.00
over 75 yrs.	24	32	56	56.00
Total	51	49	100	100.00





ANNUAL PERCENTAGE SUMMARY OF AGES AT DEATH

1960 - 1970

AGE GROUPS	EACH AGE GROUP AS PERCENTAGE OF TOTAL ANNUAL DEATHS										
	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970
Under 1 year	1.41	4.39	1.24	3.17	1.28	-	-	1.54	3.53	-	-
1 - 4 years	1.41	-	-	-	-	-	-	-	-	-	-
2 - 4 years	-	1.10	-	-	1.28	-	-	-	1.18	-	-
5 - 9	-	-	-	-	-	-	-	-	-	-	-
10 - 14	-	-	-	-	-	1.30	-	-	-	-	-
15 - 19	-	-	-	-	-	-	-	-	-	1.31	1.00
20 - 24	-	1.10	-	-	-	-	-	-	-	1.31	1.00
25 - 29	-	-	1.24	-	1.28	-	-	-	-	-	1.00
30 - 34	-	-	-	-	-	2.60	-	-	-	1.31	1.00
35 - 39	-	-	1.24	-	-	-	-	-	-	-	3.00
40 - 44	-	-	-	3.17	-	-	-	-	-	1.31	3.00
45 - 49	1.41	2.20	-	-	1.28	-	1.00	1.54	-	1.31	3.00
50 - 54	5.63	-	7.41	-	5.13	1.30	3.00	1.54	4.71	5.26	5.00
55 - 59	11.27	2.20	3.70	6.35	2.56	1.30	8.00	4.61	-	-	5.00
60 - 64	12.68	5.49	7.41	7.94	7.69	5.19	6.00	6.15	15.29	23.69	9.00
65 - 69	11.27	18.68	14.81	14.29	11.54	15.58	10.00	10.77	28.23	19.74	25.00
70 - 74	14.08	30.77	19.75	15.87	14.10	14.29	13.00	18.46	-	-	-
75 - 79	19.72	12.09	16.04	20.64	11.54	20.78	17.00	15.38	-	-	-
80 - 84	8.45	14.29	18.52	17.46	8.97	18.18	12.00	10.77	-	-	-
85 - 89	8.45	5.49	6.17	11.11	19.23	12.99	16.00	9.23	47.06	47.37	56.00
90 - 94	4.22	2.20	2.47	-	2.56	3.89	2.00	3.08	-	-	-
95 - 99	-	-	-	-	-	2.60	-	1.54	-	-	-
Total Deaths	71	91	81	63	78	77	100	65	85	76	100



# VITAL STATISTICS

## MONTHLY ANALYSIS OF DEATHS DURING 1970 SHOWING MORTALITY RATES

	<u>Actual Deaths in Bar- rowford</u>	<u>Inward Trans- fers</u>	<u>Outward Trans- fers</u>	<u>Nett Deaths for Bar- rowford</u>	<u>Rate per 1000 Population</u>
January	10	7	-	17	3.62
February	3	6	-	9	1.91
March	5	2	-	7	1.49
April	2	5	-	7	1.49
May	-	6	-	6	1.28
June	5	3	1	7	1.49
July	2	5	-	7	1.49
August	4	2	-	6	1.28
September	6	5	-	11	2.34
October	3	7	1	9	1.91
November	2	4	-	6	1.28
December	<u>4</u>	<u>4</u>	<u>-</u>	<u>8</u>	<u>1.70</u>
Totals	46	56	2	100	21.28



SECTION B

GENERAL PROVISION OF HEALTH SERVICES IN THE AREA





Particulars of the Public Health Officers of the Authority are given on Page 2 of the Report.

In subsequent sections, full details will be found relating to infectious diseases and environmental health services within the Urban District, for which the Council is directly responsible.

The present section relates to those health services which concern more the personal health and welfare of the individual rather than public health and the community.

### HOSPITALS

The Hospital Services for the area are provided by the Burnley and District Hospital Management Committee of the Manchester Regional Hospital Board,

General Hospitals in the Burnley District available to Barrowford residents are as follows:-

Reedyford Memorial Hospital, Nelson  
Hartley Hospital, Colne  
General Hospital, Burnley  
Victoria Hospital, Burnley

Patients suffering from infectious diseases who require in-patient treatment are admitted to the Marsden Hospital, Burnley, and the Committee also provides recuperative accommodation at Grove House Recovery Home, Barrowford.

The Maternity Hospital in the Group is the Edith Watson Maternity Unit, General Hospital, Burnley. (Opened November, 1968.)

### VENEREAL DISEASES CLINIC

This service is also provided by the Burnley and District Hospital Management Committee at the Victoria Hospital, Burnley where separate clinics are held twice a week for both male and female patients.

### LABORATORY FACILITIES

The facilities of the Public Health Laboratory, Royal Infirmary, Meadow Street, Preston, are available for the use of your Authority. Samples of milk and ice-cream have been submitted for examination, the results of which are given in the appropriate sections of the Report.



## WELFARE OF THE AGED

The responsibility for the care of the aged in their own homes belongs to the Lancashire County Council as the Health Authority for your District. Under the Divisional Scheme the specially appointed Welfare Organiser co-operates with representatives and officers of all statutory and voluntary bodies and organisations concerned with this aspect of Public Health.

Your Council, supported by a Voluntary Aid Committee and by an arrangement between your Authority and the neighbouring Borough of Nelson, also provides a Welfare Scheme for the aged which is supplementary to that provided by the County Council.

This scheme provides for one of the Welfare Workers employed by the Borough of Nelson to devote her full-time to welfare of the aged in Barrowford. Her work, which consists of visiting the aged in their own homes, doing their shopping, collecting pensions and other errands is greatly appreciated, and it is pleasing to report that 5922 visits were made in this connection during the year.

During the year Meals on Wheels Service continued to operate. This supplies meals to aged persons, and from 15 to 20 meals per day are distributed on Tuesdays and Thursdays. The meals are provided by a local firm and are distributed by the local Branch of the Womens Royal Voluntary Services whose members do this work on a duty-roater basis. During the year a van was donated from Voluntary effort for this purpose. W.R.V.S. also ran the Mobile Library Service to Aged Persons.

Also there is an Aged Persons' Luncheon Club run by Barrowford Aged Persons' Welfare Scheme. This provides 25 - 30 mid-day meals on Wednesdays and Fridays. The Members are over 73 years of age and the meals are provided in the Canteen of a local Textile firm.

An Aged Persons' Social Club in Barrowford is situated at Park Hill and run by the Old Age Pensioners' Association with some assistance from your Council.

## NATIONAL ASSISTANCE ACT, 1948 & 1951 SECTION 47

No action was found to be necessary under this section during the year for the removal to suitable premises of persons in need of care and attention.





## TUBERCULOSIS SERVICE

The Chest Clinic for the area is situated at the Marsden Hospital, Burnley, to which known, and suspected cases of Tuberculosis are referred by medical practitioners. Patients are also visited in their own homes by Health Visitors of the Lancashire County Council Health Division No. 6. The Health Visitors work in co-operation with the Chest Clinic and advise on the care and after care of patients.

## OTHER SERVICES

Barrowford forms part of the Lancashire County Council Health Division No. 6 and the following is a summary of the services provided by the County Council and administered from the Divisional Health Office, Oakleigh, Reedley, Nr. Burnley.

Ambulance Services.

Care of the Aged in their own Homes.

Care of Mothers and Young Children.

Child Welfare Centres.

Ante-natal Clinics.

Post-natal Clinics.

Dental Care.

Day Nurseries.

Care of Unmarried Mothers and their Children

Problem Families.

Chiropody Service for the Aged, Handicapped Persons and  
Expectant Mothers.

Domiciliary Laundry Services.

Domiciliary Midwifery Service.

Health Visiting.

Home Help Service.

Home Nursing.

Immunization and Vaccination.

Mental Health Service.

Mental Sub-normality.

Mental Illness.

National Assistance Act, 1948 - Welfare Services.

Residential Accommodation.

Short-stay Accommodation.

Prevention of Illness, Care and After Care.

Health Education and Propaganda.

Care and After Care - Convalescence.



OTHER SERVICES (Cont.)

Tuberculosis - Provision of Extra Nourishment.

Home Help.

Health Visiting.

Loans of Nursing Equipment.

Night Helps and Evening.Helps.

Registration of Private Homes for Disabled and Aged Persons.

Welfare Services for Handicapped Persons.

Welfare of the Blind and partially sighted persons.

Welfare of Deaf and Dumb persons.

Welfare of Other Handicapped persons.

Information regarding these services are given in my Report  
as Divisional Medical Officer.



SECTION C

SANITARY CIRCUMSTANCES OF THE AREA





## WATER SUPPLY

The North Calder Water Board, is the statutory water undertaker for the Barrowford Urban District and the surrounding districts. The Moorland gathering grounds covering an area of 5,000 acres, feed the Board's five storage reservoirs which have a combined capacity of 410.3 million gallons. In addition two boreholes have a potential of over a million gallons per day. There are three conservation reservoirs with a combined capacity of 135 million gallons and three service reservoirs which contain almost 13 million gallons.

There are three water treatment plants situated at Barley, Caldwell and Laneshaw where all rain water is filtered and chlorinated before going into supply. The area of supply is zoned according to locality and altitude to utilise the available head of water from the service reservoirs.

During the year water was supplied to an estimated population of almost 67,000 whose average daily consumption for domestic purposes was 39.8 gallons. In addition water supplied for manufacturing and trade purposes represented the equivalent of over 11.82 gallons per person per day. The quantity of water supplied per day on average was over  $3\frac{1}{2}$  million gallons.

Throughout the year the water supply has been satisfactory in both quality and quantity. Rain water was submitted by the Board for bacteriological examination on 26 occasions and for chemical examination on 2 occasions when every sample gave a satisfactory result. Of the 122 samples of treated water examined for bacteriological quality on behalf of the Board, all but four gave satisfactory results whilst all the 2 samples for chemical analyses gave satisfactory results. The waters are not plumbo-solvent in action and the fluoride content of the main supply is not known.

Any new properties built during the year have been connected to a main supply.



TABLE OF SAMPLES FOR BACTERIOLOGICAL ANALYSIS  
SUBMITTED BY BARROWFORD URBAN DISTRICT COUNCIL

Type	No.	Result
Public	10	10 Satisfactory
Private	1	1 Unsatisfactory

DRAINAGE AND SEWERAGE

The whole of your area with the exception of farms and a number of houses in the more rural parts, is drained and sewered, and there is a natural gravitation to the Sewage Works which are situated in the low-lying district to the south west of the area. Many of the farms and isolated cottages are now served by individual small treatment plants.

The Sewage Disposal consists of automatic screening, constant velocity grit channels, settling tanks, biological percolating filters and humus tanks, the final effluent from the works being discharged into Pandle Water which flows past the Works.

SANITARY ACCOMODATION AT THE END OF 1970

Number of privy middens	Nil
Number of closets attached to these middens	Nil
Number of pail closets	7
Number of trough dosets	Nil
Number of waste water closets	160
Number of fresh water closets	2000
Conversions during 1970:	
Number of waste water to fresh water closets	20
Number of pail closets to fresh water closets	3
Number of dwellings not on water carriage svstem	7

PUBLIC CLEANSING

This service is carried out using direct labour. A weekly collection of both domestic refuse and trade refuse is maintained. Large items of domestic refuse, which in the past has been liable to find its way into hedgerows, water courses etc., are now collected on request using a flat tipper wagon.





The present method of disposal is by Controlled tipping at the Council's refuse tip off Wilton Street, Barrowford. A small Crawler tractor is used for day to day compaction control. Contractors Plant is used when required to spread the final deep covering layer.

Number of dry ashpits (excluding middens)	Nil
Number of movable ashbins	2010

Cesspools are emptied monthly and pail closets fortnightly the contents being disposed of in the Council's sewers.

#### PUBLIC HEALTH INSPECTIONS

The following are details of the work done during 1970:-

Number of premises in general visited	570
Number of visits to these premises	920
Number of defects or nuisances discovered	46
Number of defects or nuisances abated	38
Number of notices served - Informal	10
Statutory	5
Number of legal proceedings	Nil

#### SHOPS ACT, 1950

There were 34 inspections of shops carried out during the year, and conditions with regard to ventilation, temperature and sanitary conveniences were found to be satisfactory.

#### CLEAN AIR ACT, 1956

There are in operation byelawa under Section 24 of the Clean Air Act (which require newly constructed buildings to be fitted with heating and cooking appliances capable of being operated without emitting smoke). The implementation of Smoke Control was continued throughout the year, and a third Smoke Control Order was made involving 275 properties during 1969, giving a total of 620 properties so far. The eventual enforced relaxation of the orders during the latter part of the year and the slowing down of the programme resulting is not encouraging. The circumstances governing were well out of the Council's control.

#### NOISE ABATEMENT ACT, 1960

No complaints were received during the year.



OFFICES, SHOPS & RAILWAY PREMISES ACT, 1963

	Class of Premises				
	Offices	Retail Shops	Wholesale Shops Warehouses	Catering establishments open to public Canteens	Fuel Storage Depots
(a) No. of registered premises at end of year	4	8	4	6	-
(b) No. of registered premises receiving a general inspection during year	4	8	4	6	-
(c) No. of exemptions current at end of year	-	-	-	-	-
Space (S.2 (2))	-	-	-	-	-
Temperature (S.6)	-	-	-	-	-
Sanitary Conveniences (S.9)	-	-	-	-	-
Washing Facilities (S.10)	-	-	-	-	-

(d) No. of visits of all kinds by inspectors to registered premises.. 26

(e) Details of any prosecutions during the year ..... Nil

No notice of any accident in any premises to which the Act applies was received from any occupier thereof in accordance with Section 48 of The Act.



### SWIMMING BATHS AND POOLS

There are no public or privately owned swimming baths or pools open to the public in Barrowford. A Public Bath and an Open Air Swimming Pool both in the adjoining Boroughs of Nelson and Colne provide facilities available and used by Barrowford residents.

At these establishments water from the public mains is used and continuous filtration.

### PREVENTION OF DAMAGE BY PESTS ACT, 1949

Your Council employs one trained rodent operative on a part-time basis and provides free a treatment service for dwellinghouses in your district, but a charge is made for other types of premises.

Particulars of work carried out during the year are as follows:-

Properties other than Sewers -

		<u>Type of Property</u>	
		<u>Non-agricultural</u>	<u>Agricultural</u>
a)	No. of properties in district.	2204	29
b)	Total number of properties (including nearby premises) inspected following notification.	94	15
c)	Number of (b) infested by rats	21	11
	mice	25	-
d)	Total number of properties inspected for rats and/or mice for reasons other than notification.	9	4
e)	Number of (d) infested by rats	2	1
	mice	1	-

Other treatments included the refuse tip and the Sewage Works, where permanent baiting points are maintained.

### SCHOOLS

Number of schools in the District 2  
Sanitary conditions of schools:-

(a) No. of unsatisfactory yard surfaces Nil





(b) Sanitary accommodation - No. of schools with:-

(1)	Fresh Water Closets	2
(2)	Waste Water Closets	Nil
(3)	Trough Closets only	Nil
(4)	Pail Closets only	Nil
(5)	Privy closets only	Nil
(c)	Drainage - No. of Schools with drainage to :-	
(1)	Public Sewers	2
(2)	Private treatment works	Nil
(d)	Refuse Disposal - No. of Schools with:-	
(1)	Dustbins	2
(2)	Dry Ashpits	Nil
(e)	Water Supply - No. of Schools supplied from:-	
(1)	Public Mains	2
(2)	Private Supplies	Nil
(f)	No. of Schools where facilities are considered unsatisfactory for:-	
(1)	Washing	Nil
(2)	Drinking	Nil

#### OFFENSIVE TRADES

There are no offensive trades established within the District.

#### FACTORIES ACT, 1961

At the end of the year there were 38 factories on the register, 34 factories in which mechanical power was used, and 4 other premises.

The following are prescribed particulars on the administration of the Act during the year.

#### Part 1 of the Act:

- (1) Inspections for purposes of provision as to health.



Premises	Number of			
	No. on Register	Inspections	Written Notices	Occupiers Prosecuted
(1) Factories in which Sec. 1, 2, 3, 4 & 6 are to be enforced by the Local Authority.	-	-	-	-
(2) Factories not included in (1) in which Sec. 7 is enforced by Local Authority.	34	24	-	-
(3) Other premises in which Sec. 7 is enforced by Local Authority.	4	2	-	-
Totals	38	26	-	-

Cases in which defects were found:-

Particulars	Found	Remedied	Number of Cases Referred to H.M. Insp.	Cases From H.M. Insp.	No. of cases in which prosecutions were instituted
Section 7- Sanitary Conveniences - Unsuitable or defective	-	-	-	-	-





Part VIII of the Act:

(3) Outwork (Sections 133 and 134)

No notifications of Outworkers were received during the year.

RAG, FLOCK & OTHER FILLING MATERIALS ACT, 1951

Number of registered premises at the end of year on which rag, flock or other filling materials were used in manufacture of bedding, toys etc. .... Nil

Number of licensed premises at end of year on which rag flock was-

(a) Manufactured or manufactured and stored ..... Nil

(b) Stored only ..... Nil

CHIEF SANITARY REQUIREMENTS OF THE DISTRICT

Conversion of outstanding waste water closets to water closets. Flood prevention and relief drainage work. The proper use of the public of Services provided and the further education and advertisements regards dumping and other ill ways.



SECTION D

HOUSING



(1)

Number of new dwellings erected  
during the year:-

	<u>Houses</u>	<u>Flats</u>
i) By the local authority	-	-
ii) By other local authorities	-	-
iii) By other bodies or persons	30	-

(2)

Total number of Council owned dwellings  
existing at the end of the year ..... 231

(3)

Inspections of dwellings during the year:-

(i) (a) Total number of dwellings inspected  
formally or informally for housing  
defects (under Public Health or  
Housing Acts) ..... 122

(b) No. of inspections, formal or  
informal, made for the purpose ..... 200

(c) No. of dwellings in (a) above found  
to be not in all respects reasonably  
fit for human habitation but capable  
of being rendered fit ..... 10

(ii) Total number of dwellings existing  
at the end of the year which were  
unfit for human habitation and not  
capable at reasonable expense of  
being rendered fit and in respect  
of which -

(a) Demolition Orders have been made ..... Nil

(b) Demolition or Closing Orders have not yet  
been made ..... 170





(4) <u>Houses Demolished:-</u> In or adjoining Clearance Areas:	Houses Demolished	Displaced during year	
		Persons	Families
(i) Houses unfit for human habitation .....	-		
(ii) Houses included by reason of bad arrangement etc.	-	-	-
(iii) Houses on land acquired under Section 43(2) Housing Act, 1957 .....	-		
Not in or adjoining Clearance Areas:			
(iv) As a result of formal or informal procedure under S.16 or S.17(1) Housing Act, 1957 .....	5	3	2
(v) Local Authority owned houses certified unfit by the Medical Officer of Health .....	-	-	-
(vi) Houses unfit for human habitation where action has been taken under local Acts .....	-		
(vii) Unfit houses included in Unfitness Orders .....	-		
(5) <u>Unfit Houses Closed:-</u>	Number	Displaced during year	
		Persons	Families
(i) Under S.16(4), 17(1) and 35(1) Housing Act 1957 and S.26 Housing Act 1961	-	-	-
(ii) Under S.17(3) and S.26, Housing Act 1957 .....	-	-	-
(iii) Parts of buildings closed under S.18 Housing Act, 1957 .....	-	-	-



(6) <u>Unfit Houses Made fit:-</u>	Number
(i) By owner after informal action by Local Authority .....	-
(ii) After formal notice under S.9 and S.16, Housing Act, 1957 .....	-
(iii) After formal notice under Public Health Acts .....	2
(iv) After modification or revocation of a clearance order under S.21, Housing Act, 1961 .....	-
(v) After determination of a demolition order under S.24, Housing Act 1957.	-
(vi) After determination of a closing order under S.27, Housing Act, 1961	-

(7) Unfit Houses in Temporary Use:-

(Housing Act, 1957):-

Position at end of year.

- |   | No. of Houses | No. of separate dwellings cont. in col. (1) |
|---|---------------|---|
| (i) Retained for temporary accommodation                              | -             |   |
| (a) Under Section 48 .....  | -             | -   |
| (b) Under Section 17(s) ...   | -             | -   |
| (c) Under Section 46 .....  | -             | -   |
| (ii) Licensed for temporary occupation under Section 34 or Section 53 | -             | -   |

(8) Purchase of Houses by Agreements:-

	No. of Houses	No. of occupants of houses in col. (1)
Houses in Clearance Areas other than those included in confirmed Clearance Orders or Compulsory Purchase Orders .....	-	-



(9)

Housing Act, 1949-69 and Housing (Financial Provisions)  
Act, 1958 - Improvement Grants, etc.

Action during Year	No. of dwellinghouses or other Buildings affected in Schemes of	
	Private Bodies or Individuals	Local Authority
(a) Submitted by private individuals to Local Authority.	1	-
(b) Approved by Local Authority.	1	-
(c) Submitted by Local Authority.	-	-
(d) Finally approved by Ministry.	-	-
(e) Work completed.	1	-
(f) Additional separate dwellings incl. in (e) above.	-	-

(g) Any other action taken under the Acts

Nil

(1)

House Purchase and Housing Act 1959-69, and Housing Acts,  
1961 and 1964 - Standard Grants

	No. of dwellings or other buildings affected
(i) Applications submitted to Local Authority for improvement to	
(a) Full Standard .....	4
(b) Reduced Standard .....	35
(ii) Total applications approved by Local Authority for improvement to	
(a) Full Standard .....	4
(b) Reduced Standard .....	33
(iii) Work completed .....	32
(iv) Particulars of any action taken relating to compulsory improvement of dwellings	Nil





### HOUSING CONDITIONS

The general standard of housing is good, the older property being stone-built and of the terraced-type, of good construction and of reasonably good condition. In the main apart from Local Authority houses owner occupation prevails.

In the main the majority of the owner occupied houses are not lacking in many of the standard amenities. Since the acceptance of plastic in plumbing many improvements, which would in the past have been very costly, have been done at reduced cost and less inconvenience.

There is in the area a growing need for specifically designed accomodation for aged persons, in fact on the whole this would seem to be the area in deficit.

### MOVABLE DWELLINGS AND CAMPING SITES

No sites in the area were used for camping sites during the year and no licenses were issued by the Local Authority under Section 269 of the Public Health Act 1936, in respect of sites or individual movable dwellings.

### OTHER PREMISES

There are no Common Lodging Houses or Underground Sleeping Rooms within the area.

No inspections were made of canal boats.



INSPECTION AND SUPERVISION OF FOOD  
SAMPLING

The Milk (Special Designation) Regulations, 1963-5 are administered by the Lancashire County Council as the Food & Drugs Authority for the District; this covers the chemical standards. For bacteriological and others, samples of milk were obtained from vendors in Barrowford, by the Department, and submitted to the Public Health Laboratory, Preston for examination.

Altogether 18 samples were obtained and the results of the laboratory tests are as follows:-

(a) Samples for Biological Examination

Total number submitted	No. of Samples	Results		
		Positive	Negative	No Result
Results:	18			
(i) Tuberculosis		-	18	-
(ii) Brucellosis - Ring Test		2	-	-
(iii) Brucellosis - Culture Test		2	-	-
(iv) Brucellosis - Biological Test		2	-	-

(b) Samples for Statutory Tests

	No. of Samples	Satis- factory	Unsatis- factory	Void Samples
Raw Milk:				
(i) Methylene Blue Test	18	16	1	1
Heat Treated:				
(ii) Methylene Blue Test		2		-
(iii) Phosphatase Test				-
(iv) Turbidity		2		-



It was not found necessary to take formal action under Regulations 19 and 20 of the Milk and Dairies (General) Regulations, 1959. Under the Public Health (Prevention of Tuberculosis) Regulations 1925, no formal action was required.

#### Liquid Egg (Pasteurisation) Regulations, 1963

There are no egg pasteurisation plants in the District.

#### MEAT AND OTHER FOODS

The following list shows the various classifications of food premises and the number of each in the District at the end of 1969, which are inspected under the Food Hygiene Regulations.

General Grocers and provision dealers.....	17
Greengrocers and fruiterers (including wet fish and game, etc.) .....	2
Fishmongers (including poultry, game etc.).....	Nil
Meat shops, (butchers, cooked meats etc.) .....	7
Bakers and/or confectioners .....	3
Fried Fish Shops .....	2
Sweet shops (minerals, ice-cream etc.) .....	4
Licensed premises, clubs, canteens, restaurants, cafes, snack bars etc .....	11
Others .....	28

#### FOOD INSPECTION

The following food stuffs were inspected, found unfit for human consumption and surrendered voluntarily for destruction.

<u>Type of Food</u>	<u>Cwt.</u>	<u>Qtrs.</u>	<u>Lbs.</u>
Meat	-	-	20
Vegetables	-	-	-
Frozen Food Stuffs	-	-	-
	-	-	20





### FOOD ADULTERATION, ETC.

Under the Food and Drugs Act, 1955, the formal sampling of milk and other foods in Barrowford is the responsibility of the Lancashire County Council as the Food and Drugs Authority.

### CLEAN FOOD

Under the provisions of the Food Hygiene Regulations careful watch is kept on foodstuffs and food premises. In the main the standard is good. There have been no occasions during the year where a complaint has been made to the office by the public regarding these matters.

The samples of Ice Cream taken in the District were up to Standard.



SECTION F

PREVALENCE OF, AND CONTROL OVER, INFECTIOUS DISEASES



### Prevalence of, and Control over, Infectious Diseases

The total notifications received during the year was 12 as follows:- Scarlet Fever - 1, Measles - 10 and Whooping Cough 1.

The total incidence rate of notifiable diseases was 2.55 per 1,000 population compared with 5.11 per 1,000 in 1969.

Incidence rates for the various notifiable diseases are shown in a Table following and for comparison these rates are also shown for England and Wales as a whole.

One patient suffering from notifiable diseases were admitted to hospital during the year. Hospital accommodation for such cases is provided by the Burnley and District Hospital Management Committee at Marsden Hospital, Burnley.

In accordance with Standard Practice the Public Health Department did the follow up of notifications, supplied free disinfection where required and also carried out the terminal of rooms and bedding etc. The disinfection of rooms by formalin spray or vapour, and bedding and clothing by steam, is only undertaken when requested. Steam disinfection is arranged through the Public Health Department at Burnley who carry out the work on a payment basis, as and when required.

The following Tables give further information relative to the notification of Infectious and othe Notifiable Diseases.

#### INFECTIOUS & OTHER NOTIFIABLE DISEASES NOTIFIED DURING 1970

Notifiable Diseases	Total Cases	Age Periods								
		Under 1	1-	2-	3-	4-	5-	5-10	10-15	15 & over
Scarlet Fever	1	-	-	-	-	-	-	1	-	-
Measles	10	-	1	-	-	1	-	7	-	1
Whooping Cough	1	1	-	-	-	-	-	-	-	-







CASE RATES FOR CERTAIN INFECTIOUS & OTHER NOTIFIABLE  
DISEASES FOR ENGLAND & WALES & BARROWFORD  
DURING THE YEAR 1970

Disease	England and Wales (1)	Barrowford (2)
	Rates per 1,000 population	
Measles	6.273	2.128
Dysentery	0.220	-
Scarlet fever	0.268	0.212
Whooping cough	0.339	0.212
Infective jaundice	0.440	-
Tuberculosis		
Respiratory	0.194	-
Meninges and C.N.S.	0.002	-
Other forms	0.048	-
Diphtheria	0.000	-
Tetanus	0.000	-
Acute meningitis	0.027	-
Acute encephalitis		
Infective	0.002	-
Post infectious	0.003	-
Ophthalmia neonatorum	0.009	-
Acute poliomyelitis		
Paralytic	0.000	-
Non-paralytic	0.000	-
Leptospirosis	0.000	-
Paratyphoid fever	0.004	-
Typhoid fever	0.003	-
Food poisoning	0.154	-
Anthrax	0.000	-
Smallpox	Nil	-
Plague	Nil	-
Cholera	Nil	-
Typhus fever	Nil	-
Relapsing fever	Nil	-
Yellow fever	Nil	-

Estimated Population (1) 48,987,700  
(2) 4,700

